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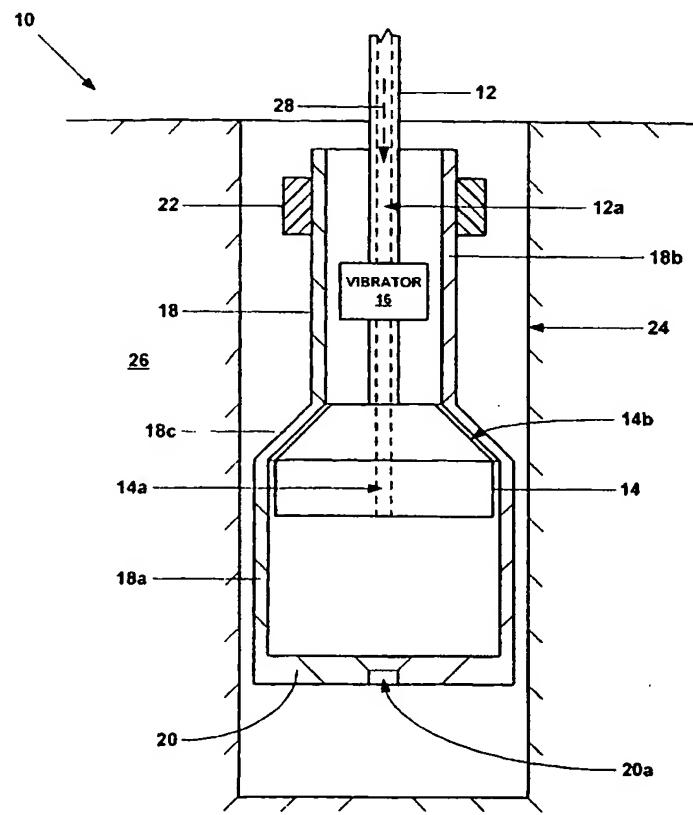
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*[Continued on next page]*

(54) Title: SYSTEM FOR RADIALLY EXPANDING TUBULAR MEMBERS



WO 2004/053434 A3



(57) Abstract: A system for radially expanding tubular members (18) includes an expansion device (14) and a vibratory device (16) that generates vibratory energy for agitating at least one of the expansion device (16) and/or the expandable tubular member (18).

-1- AVAILABLE COPY



Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BJ, CI, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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**INTERNATIONAL SEARCH REPORT**

International application No.

PCT/US03/38550

**A. CLASSIFICATION OF SUBJECT MATTER**

IPC(7) : E21B 43/10, 28/00, 29/10  
US CL : 166/207, 380, 177.6

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
U.S. : 166/207, 380, 177.6, 55.1, 277, 384, 206-217, 242.2

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
EAST: vibrator, tubular, expansion, frequency

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X,P --	WO 03/064813 A1 (e2TECH LIMITED) 7 August 2003 (07.08.2003), pages 3-18.	1-8, 15-37, 46-70, 79-110
Y,P		-----
Y	US 4,384,625 A (ROPER et al) 24 May 1983 (24.05.1983), column 6, lines 50-54, figure 1.	9-16, 38-45, 71-78
X	US 4,204,312 A (TOOKER) 27 May 1980 (27.05.1980), column 2, lines 14-51, figure 1.	9-16, 38-45, 71-78
		1,2,16,25,27,31,32,47 ,56,58,62- 65,80,89,91,95,102,10 6-108
A	US 1,166,040 A (BURLINGHAM) 28 December 1915 (28.12.1915), page 1, lines 71-91.	1,31,64,102
A	US 6,464,014 B1 (BERNAT) 15 October 2002 (15.10.2002), column 5, lines 27-41.	1,31,64,102

Further documents are listed in the continuation of Box C.  See patent family annex.

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"B" earlier application or patent published on or after the international filing date	"Y"	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&"	document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means		
"P" document published prior to the international filing date but later than the priority date claimed		

Date of the actual completion of the international search 30 March 2004 (30.03.2004)	Date of mailing of the international search report <b>15 JUN 2004</b>
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230	Authorized officer David Bagnell <i>J. Hodges</i> Telephone No. 703-308-1113

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